



COMBINED DECLARATION AND POWER OF ATTORNEY FOR ORIGINAL, DESIGN, NATIONAL STAGE OF PCT, SUPPLEMENTAL DIVISIONAL, CONTINUATION OR CONTINUATION-IN-PART APPLICATION

below name inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name,

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

A Photonic Band Gap Fiber		
the specification of which		
a. [] is attached hereto		
b. [x] was filed on March 31, 1999		and was amended on
PCT FILED APPLIC	ATION ENTERING NATIONAL S	STAGE
c. [] was described and claimed in as amended on		filed on and
I hereby state that I have reviewed and understa claims, as amended by any amendment referred		ed specification, including the
I acknowledge the duty to disclose information accordance with Title 37, Code of Federal Regu		of this application in
I hereby specify the following as the correspond to be directed:	dence address to which all communic	cations about this application are
SEND CORRESPONDENCE TO:	MORGAN & FINNEGAN, L.L.P 345 Park Avenue New York, N.Y. 10154	
DIRECT TELEPHONE CALLS TO: (212) 758-4800	212-415-8508	
[x] I hereby claim foreign priority be § 365(b) of any foreign application(s) for patent application(s) designating at least one country of foreign application(s) for patent or inventor's cosame subject matter having a filing date within claimed:	t or inventor's certificate or under § and the than the U.S. listed below and a certificate or such PCT international a	365(a) of any PCT international also have identified below such application(s) filed by me on the
[] The attached 35 U.S.C. § 119 clain declaration.	m for priority for the application(s) li	isted below forms a part of this

Docket No. 3701-4000

NAME					
ADDRESS [] Individual	[] Small Business Concern	[] Nonprofit Organization			
NAME					
ADDRESS					
[] Individual	[] Small Business Concern	[] Nonprofit Organization			
I acknowledge the duty to file, in this application or patent, notification of any change in status resulting in loss of entitlement to entity status prior to paying, or at the time of paying, the earliest of the issue fee or any maintenance fee due after the date on which status as a small entity is no longer appropriate. (CFR § 1.28(b)					
Jes Broeng	Stig Eigil Barkou	Anders Overgaard Bjarklev			
NAME OF INVENTOR	NAME OF INVENTOR	NAME OF INVENTOR			
Month	25 & Baka	MonBy			
Signature Of Inventor	Signature Of Inventor	Signature Of Inventor			
21 May 1999	21 May 1999	21 May 1999			
Date	Date	Date			

FORM: IND-INV Rev. 05/26/98





PATENT

Docket No. 3701-4000

Nonprofit Organization

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s) Jes Broeng Examiner: TBA Stig Eigil Barkou Anders Overgaard Bjarklev Group Art Unit: TBA Serial No. 09/282,303 Filed March 31, 1999 For A Photonic Band Gap Fiber STATEMENT (DECLARATION) CLAIMING SMALL ENTITY STATUS 37 CFR §1.97(f) AND §1.27 (b)) - INDEPENDENT INVENTOR As a below named inventor, I hereby state that I qualify as an independent inventor as defined in 37 CFR § 1.9(c) for purposes of paying reduced fees under section 41(a) and (b) of Title 35, United States Code, to the Patent and Trademark Office with regard to the invention entitled A Photonic Band Gap Fiber described in [] the specification filed herewith [x] application Serial No. 09/282,303, filed March 31, 1999 [] Patent No. , issued I have not assigned, granted, conveyed or licensed and am under no obligation under contract or law to assign, grant, convey or license any rights in the invention to any person who could not be classified as an independent inventor under 37 CFR § 1.9(c) if that person had made the invention, or to any concern which would not qualify as a small business concern under 37 CFR 1.9(d) or a nonprofit organization under 37 CFR § 1.9(e). Each person, concern or organization to which I have assigned, granted, conveyed or licensed or am under an obligation under contract to law to assign, grant, convey or license any rights in the invention is listed below: [x] no such person, concern or organization persons, concerns or organizations listed below

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Small Business Concern

NAME

ADDRESS

Individual

NOTE: Separate statements are required form each named person, concern or organization having rights to the invention averring to their status as small entities. (37 CFR § 1.27)

Country/PCT	Application Number	Date of filing (day, month, yr)	Date of Issue (day, month, yr)	Priority <u>Claimed</u>
Denmark	DK PA 1998 00779	9/6/98		[x]YES []NO
	·			[]YES[]NO
				[]YES[]NO
[] I hereby claim the Provisional Applicat			orovisional application(s) liling (day, month, yr)	listed below.
OR I hereby claim the be	PCT INTERNATIONA	L APPLICATION(S) (I ted States Code § 120 o	JATION OR CONTINUADESIGNATING THE U.S f any United States applic listed below.	5.)
US/PCT Application	Serial No. Filing	; Date	Status (patented, pend U.S. application no. a	
US/PCT Application	Serial No. Filing	Date	Status (patented, pend U.S. application no. a	
application is not dis provided by the first information as define the prior application	closed in the above listed paragraph of Title 35, Uned in Title 37, Code of Fe (s) and the national or PC	I prior United States or nited States Code, § 112 ederal Regulations, § 1.6 T international filing de		tion(s) in the manner to disclose material veen the filing date of
			ge are true and that all state statements were made with	

I hereby appoint the following attorneys and/or agents with full power of substitution and revocation, to prosecute this application, to receive the patent, and to transact all business in the Patent and Trademark Office connected therewith: John A. Diaz (Reg. No. 19,550), John C. Vassil (Reg. No. 19,098), Alfred P. Ewert (Reg. No. 19,887),

willful false statements and the like so made are punishable by fine or Imprisonment, or both, under Section 1001 of

Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the

application or any patent issued thereon.

David H. Pfeffer (Reg. No. 19,825), Harry C. Marcus (Reg. No. 22,390), Robert E. Paulson (Reg. No. 21,046), Stephen R. Smith (Reg. No. 22,615), Kurt E. Richter (Reg. No. 24,052), J. Robert Dailey (Reg. No. 27,434), Eugene Moroz (Reg. No. 25,237), John F. Sweeney (Reg. No. 27,471), Arnold I. Rady (Reg. No. 26,601), Christopher A. Hughes (Reg. No. 26,914), William S. Feiler (Reg. No. 26,728), Joseph A. Calvaruso (Reg. No. 28,287), James W. Gould (Reg. No. 28,859), Richard C. Komson (Reg. No. 27,913), Israel Blum (Reg. No. 26,710), Bartholomew Verdirame (Reg. No. 28,483), Maria C.H. Lin (reg. No. 29,323), Joseph A. DeGirolamo (Reg. No. 28,595), Michael A. Nicodema (Reg. No. 33,199), Michael P. Dougherty (Reg. No. 32,730), Seth J. Atlas (Reg. No. 32,454), Andrew M. Riddles (Reg. No. 31,657), Bruce D. DeRenzi (Reg. No. 33,676), Michael M. Murray (Reg. No. 32,537), Mark J. Abate (Reg. No. 32,527), Alfred L. Haffner, Jr. (Reg. No. 18,919), Harold Haidt (Reg. No. 17,509), John T. Gallagher (Reg. No. 35,516), Steven F. Meyer (Reg. No. 35,613) and Kenneth H. Sonnenfeld (Reg. No. 33,285) of Morgan & Finnegan, L.L.P. whose address is: 345 Park Avenue, New York, New York, 10154; and Edward A. Pennington (Reg. No. 32,588), Michael S. Marcus (Reg. No. 31,727) and John E. Hoel (Reg. No. 26,279) of Morgan & Finnegan, L.L.P., whose address is 1775 Eye Street, Suite 400, Washington, D.C. 20006.

[]	I hereby authorize the U.S. attorneys and/or agents named hereinabove to accept and follow instructions from					
	as to any action to be taken in the U.S. Patent and Trademark Office regarding this application without direct communication between the U.S. attorneys and/or agents and me. In the event of a change in the person(s) from whom instructions may be taken I will so notify the U.S. attorneys and/or agents hereinabove.					
Full na	me of sole or first inventor Jes Broeng					
Invent	or's signature* 21 May 1999					
Reside	nce Norgaardsvej 22B, 1.tv, DK-2800 Lyngby, Denmark					
Citizer	ship Denmark					
Post O	ffice Address Same as Above					
	or's signature* Stig Eigil Barkou 21 May 1999 date					
Reside						
Citizer	ship Denmark					
Post O	ffice Address Same as Above					
Full na	me of sole or third inventor Anders Overgaard Bjarklev					
Invent	or's signature* 21 May 1999 date					
Reside						
Citizer	ship Denmark					
400499	-3- 1					

- [] ATTACHED IS/ARE ADDED PAGE(S) TO COMBINED DECLARATION AND POWER OF ATTORNEY FORM FOR SIGNATURE BY THIRD AND SUBSEQUENT INVENTORS
- * Before signing this declaration, each person signing must:
 - 1. Review the declaration and verify the correctness of all information therein; and
 - 2. Review the specification and the claims, including any amendments made to the claims.

After the declaration is signed, the specification and claims are not to be altered.

To the inventor(s):

The following are cited in or pertinent to the declaration attached to the accompanying application:

Title 37, Code of Federal Regulation, § 1.56

Duty to disclose information material to patentability.

- (a) A patent by its very nature is affect with a public interest. The public interest is best served, and the most effective patent examination occurs when, at the time an application is being examined, the Office is aware of and evaluates the teachings of all information material to patentability. Each individual associated with the filing and prosecution of a patent application has a duty of candor and good faith in dealing with the Office, which includes a duty to disclose to the Office all information known to that individual to be material to patentability as defined in this section. The duty to disclose information exists with respect to each pending claim until the claim is canceled or withdrawn from consideration, or the application becomes abandoned. Information material to the patentability of a claim that is canceled or withdrawn from consideration need not be submitted if the information is not material to the patentability of any claim remaining under consideration in the application. There is no duty to submit information which is not material to the patentability of any existing claim. The duty to disclose all information known to be material to patentability is deemed to be satisfied if all information known to be material to patentability of any claim issued in patent was cited by the Office or submitted to the Office in the manner prescribed by §§1.97(b)-(d) and 1.98. However, no patent will be granted on an application in connection with which fraud on the Office was practiced or attempted or the duty of disclosure was violated through bad faith or intentional misconduct. The Office encourages applicants to carefully examine:
 - (1) prior art cited in search reports of a foreign patent office in a counterpart application, and
 - (2) the closest information over which individuals associated with the filing or prosecution of a patent application believe any pending claim patentably defines, to make sure that any material information contained therein is disclosed to the Office.

Title 35, U.S. Code § 101

Inventions patentable

Whoever invents or discovers any new and useful process, machine, manufacture, or composition of matter, or any new and useful improvement thereof, may obtain a patent therefor, subject to the conditions and requirements of this title.

Title 35 U.S. Code § 102

Conditions for patentability; novelty and loss of right to patent

A person shall be entitled to a patent unless -

- (a) the invention was known or used by others in this country, or patented or described in a printed publication in this or a foreign country, before the invention thereof by the applicant for patent,
- (b) the invention was patented or described in a printed publication in this or foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States, or
 - (c) he has abandoned the invention, or
- (d) the invention was first patented or caused to be patented, or was the subject of an inventor's certificate, by the applicant or his legal representatives or assigns in a foreign country prior to the date of the application for patent in this country on an application for patent or inventor's certificate field more than twelve months before the filing of the application in the United States, or
- (e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent, or
 - (f) he did not himself invent the subject matter sought to be patented, or
- (g) before the applicant's invention thereof the invention was made in this country by another had not abandoned, suppressed, or concealed it. In determining priority of invention there shall be considered not only the respective dates of conception and reduction to practice of the invention, but also the reasonable diligence of one who was first to conceive and last to reduce to practice, from a time prior to conception by the other ...

Title 35, U.S. Code § 103

Conditions for patentability; non-obvious subject matter

A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Subject matter developed by another person, which qualifies as prior art only under subsection (f) or (g) of section 102 of this title, shall not preclude patentability under this section where the subject matter and the claimed

invention were, at the time the invention was made, owned by the same person or subject to an obligation of assignment to the same person.

Title 35, U.S. Code § 112 (in part)

Specification

The specification shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise and exact terms also enable any person skilled in the art to which it pertains, or with which it is mostly nearly connected, to make and use the same, and shall set forth the best mode contemplated by the inventor of carrying out his invention.

Title 35, U.S. Code § 119

Benefit of earlier filing date in foreign country; right of priority

An application for patent for an invention filed in this country by any person who has, or whose legal representatives or assigns have, previously regularly filed an application for a patent for the same invention in a foreign country which affords similar privileges in the case of applications filed in the United States or to citizens of the United States, shall have the same effect as the same application would have if filed in this country on the date on which the application for patent for the same invention was first filed in such foreign country, if the application in this country is filed within twelve months from the earliest date on which such foreign application was filed; but no patent shall be granted on any application for patent for an invention which had been patented or described in a printed publication in any country more than one year before the date of he actual filing of the application in this country, or which had been in public use or on sale in this country more than one year prior to such filing.

Title 35, U.S. Code § 120

Benefit or earlier filing date in the United States

An application for patent for an invention disclosed in the manner provided by the first paragraph of section 112 of this title in an application previously filed in the United States, or as provided by section 363 of this title, which is filed by an inventor or inventors named in the previously filed application shall have the same effect, as to such invention, as though filed on the date of the prior application, if filed before the patenting or abandonment of or termination of proceedings on the first application or an application similarly entitled to the benefit of the filing date of the first application and if it contains or is amended to contain a specific reference to the earlier filed application.

Please read carefully before signing the Declaration attached to the accompanying Application.

If you have any questions, please contact Morgan & Finnegan, L.L.P.

FORM:COMB-DEC.NY Rev. 5/21/98